

XP-002358635

(C) WPI / DERWENT

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DEC 30 2005

AN - 1996-056202 [43]

AP - JP19940109850 19940524; [Previous Publ. JP7316471] / TW19950104029
19950424

CPY - ASAH

- ASAH

DC - A25 A26 A81 A82 G02 G03 M13 P42 X12 X27

FS - CPI;GMPI;EPI

IC - B05D7/14 ; B05D7/24 ; C08G18/79 ; C09D5/03 ; C09D175/00 ; C09D175/02 ;
C09D175/04

MC - A08-C09 A08-D05 A12-B04 A12-S09 G02-A02C G02-A02E G02-A05 G02-A05B
G02-A05F M13-H05

- X12-E02B X27-X

PA - (ASAH) ASahi KASEI KK

- (ASAH) ASahi KASEI KOGYO KK

PN - JP3594332B2 B2 20041124 DW200477 C09D5/03 014pp

- JP7316471 A 19951205 DW199606 C09D5/03 009pp

- TW279892 A 19960701 DW199642 C09D175/00 000pp

PR - JP19940109850 19940524; JP19940106588 19940520; JP19940106589 19940520;
JP19940109851 19940524

XA - C1996-018486

XIC - B05D-007/14 ; B05D-007/24 ; C08G-018/79 ; C09D-005/03 ; C09D-175/00 ;
C09D-175/02 ; C09D-175/04

XR - 1996-020541 1996-045417 1996-056031

XP - N1996-047040

AB - J07316471 The powder coating compsn. comprises 100 pts.wt. of at least one of polyester polyols, acrylic polyols and fluorine polyols all with a hydroxyl value of 20-300 mgKOH/g solid at room temp. and 2-50 pts.wt. of a straight crystalline polyurethodione with a latent NCO of 12-21 wt. %, a wt. average mol. wt. of 2000-20,000 and a m.pt. of 60-140deg.C not blocking at below 40deg.C having a structure of formula (I). In (I): X = -N(-H)-C(=O)-R1-OH, -N(H)-C(=O)-R2 or -NCO; R1 = residue obtd. by removing 2OH's from a diol; R2 = residue obtd. by removing the active hydrogen of a cpd. with one active hydrogen; and n = at least 1.

- Also claimed are a mfg. process for the powder coating compsns. and precoated metals.

- USE - Used for mfg. precoat metals for household electric appliances, building materials, road materials, auto parts and bodies, business furniture and electric equipment parts. The compsns. are also useful for wood and plastic articles.

- ADVANTAGE - The polyurethodione as curative causes no foul odour on baking. The coat of the powder coating compsn. has good surface smoothness, weather resistance and mechanical properties.

- (Dwg.0/0)

IW - POWDER COATING COMPOSITION MANUFACTURE PRECOAT METAL COMPRISE POLYESTER ACRYLIC FLUORINE STRAIGHT CRYSTAL SURFACE SMOOTH

IKW - POWDER COATING COMPOSITION MANUFACTURE PRECOAT METAL COMPRISE POLYESTER ACRYLIC FLUORINE STRAIGHT CRYSTAL SURFACE SMOOTH

NC - 002

OPD - 1994-05-20

ORD - 1995-12-05

PAW - (ASAH) ASahi KASEI KK

- (ASAH) ASahi KASEI KOGYO KK

TI - Powder coating compsn. used to mfr. precoated metal - comprises polyester, acrylic, or fluorine polyol, and straight crystalline polyurethodione, giving good surface smoothness, etc.

A01 - [001] 018 ; D01 D63 F26-R F30-R F41-R ; P0839-R F41 D01 D63 ; S9999

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S1514 S1456 ; M9999 M2073 ; L9999 L2391 ; L9999 L2073 ; S9999
 S1387 ;
 - [002] 018 ; D01 F26-R F30-R ; P0088-R ; S9999 S1514 S1456 ; M9999
 M2073 ; L9999 L2391 ; L9999 L2073 ;
 - [003] 018 ; D01 D69 F26-R F30-R F- 7A ; P0500 F- 7A ; S9999 S1514
 S1456 ; M9999 M2073 ; L9999 L2391 ; L9999 L2073 ;
 - [004] 018 ; ND01 ; ND04 ; Q9999 Q7114-R ; K9552 K9483 ; K9676-R ;
 B9999 B5389 B5276 ; Q9999 Q7330-R ; Q9999 Q7681-R ; Q9999 Q6826-R ;
 Q9999 Q7012 Q6995 ; Q9999 Q9234 Q9212 ; Q9999 Q9303 Q9212 ; Q9999
 Q8173-R ; K9574 K9483 ; K9609 K9483 ; B9999 B4499 B4466 ; B9999
 B4728 B4568 ; B9999 B3747-R ; B9999 B5618 B5572 ; N9999 N6439 ;
 - [005] 018 ; R01966 D00 F20 Ti 4B Tr O- 6A ; A999 A088 A077 ;
 - [006] 018 ; R00415 D01 D11 D10 D50 D61 D68 D95 Sn 4A ; A999 A146 ;
 - [007] 018 ; A999 A748 ; A999 A679 A566 ;
 - [008] 018 ; D01 D11 D10 D23 D22 D74 D45 D50 D95 F77 F78 F28 F26 F32
 F30 F73 ; A999 A157-R ;
 A02 - [001] 018 ; H0022 H0011 ; G1934 G1854 G1843 D01 F73 D11 D10 D23 D22
 D31 D74 D45 D50 D93 F78 ; G1025-R G0997 D01 F28 F26 G1149-R G1092 D18
 D76 F32 F30 ; P1638 P1592 F77 D01 ; A999 A157-R ; A999 A782 ;
 - [002] 018 ; G1934 G1854 G1843 D01 F73 D11 D10 D23 D22 D31 D74 D45 D50
 D93 F78 ; G1956 G1945 G1843 D01 F73 D11 D10 D23 D22 D31 D76 D45 D50
 D94 F19 O- 6A ; R00822 G1025 G0997 D01 D11 D10 D50 D82 F28 F26 ;
 P1638 P1592 F77 D01 ; A999 A157-R ; A999 A782 ; H0033 H0011 ;
 - [003] 018 ; B9999 B4795 B4773 B4740 ; B9999 B5094 B4977 B4740 ;
 B9999 B5607 B5572 ;

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